



COLORADO SPRINGS,
COLORADO

September 1993

Inside this issue...

Page 2	VE Testing
Page 3	Field Day Photos
Page 4	Elections
Page 6-7	Calendar
Page 8	Down on the Farm
Page 9	Dits and Bits
Page 10	Meeting minutes
Page 11	More Field Day
Page 12	Committee Chairs



Pikes Peak Radio Amateur Association, Inc.
P. O. Box 16521
Colorado Springs, Colorado 80935

FIRST CLASS MAIL



Ø BEAT



P.P.R.A.A. OFFICERS AND DIRECTORS

PRESIDENT	LUCI STANSBERRY NØUD 2630 E. UNTAH 80909.....	636-1290
VICE-PRESIDENT	ALLEN VROOMAN NØCMW 1341 DIANA LN. 80909.....	473-1660
SECRETARY	LIZ DEUTSCH NØTUK 4305 RIDGELANE DRIVE 80918.....	593-8352
TREASURER	THOMAS L. MCDANIEL NØNTX 4255 SHINING WAY 80916.....	570-1465
FAST PRESIDENT	HARV SIMS WØ6YXD 19740 FOUR WINDS WAY 80132.....	481-4597
BOARD MEMBER	KEN PHILLIPS NØNKP 4850 SANTIAGO WAY 80917.....	574-6358
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BOARD MEMBER	STEVE WESTBY WB7VIR 1540 KEITH DRIVE 80916.....	570-1070
BOARD MEMBER	STEVE SCHAARSCHMIDT KØCI 6155 TUKERMAN LANE 80918.....	598-3554
Ø-BEAT EDITOR	RON DEUTSCH NKØP 4305 RIDGELANE DRIVE 80918.....	593-8352

ZERO BEAT is published monthly in the interest of the members of the Pikes Peak Radio Amateur Association, Inc., PO Box 18521, Colorado Springs, Colorado 80935. For membership and subscription information see last page of this publication. The Pikes Peak Radio Amateur Association meets monthly on the second Wednesday of each month at the Disabled American Veterans, Chapter 26, 6880 Palmer Park Blvd. at 7PM.

EDITOR: Ron Deutsch, NKØP, 4305 Ridgeline Drive, Colorado Springs, Colorado 80918 (719)593-8352

Deadline for submission of articles or ads is the 21st of each month. Submissions may be sent to the Editor or to the club PO box. Permission to reprint articles is granted provided credit is given to both the author and this publication.

ADVERTISING RATES: Full page \$48; half page \$24; quarter page \$12; business card \$6. These are monthly rates and are billed quarterly. Send your ad requests and payments to: PPRAA, PO Box 18521, Colorado Springs, Colorado 80935.

Club Project

The Junior Auxiliary of the DAV are collecting empty aluminum beverage cans. The cans are turned in for recycling and the money is used to finance their projects.

If you would like to help them out bring your cans to the regular PPRAA club meeting. This will be an ongoing project.

Social Event

Breakfast at the DAV,
6880 Palmer Park Blvd.
Sunday September 11th
Serving time 0900 to 1230
All you can eat...cost \$4 for adults
and \$2 for children.

We thought this would be a fun thing for our club to do.

Any questions call WAØMNL, Rosie 471-9965.

VE Testing

Rick Brown - KDØSU

VE Testing is sponsored by the PPRAA on the 2nd Saturday of February, April, June, August, October and December. Testing takes place at 9:00 AM at:

Denver Technical College (DTC)
225 South Union
Colorado Springs

While we prefer pre registration, walk-ins are accepted on a space available basis. As a reminder to anyone wishing to take an examination you should bring the following items.

1. \$5.60 (preferably a check made out to ARRL/VEC) for all exams above Novice.
2. Picture identification
3. A copy of your current amateur license as well as the signed original, or a copy of any examination credit you have.
4. Pen, pencils, and a calculator if you need one.

To pre register, or if you have any questions, please call me at 531-9423. Please do not call DTC, they only provide us the place, and do not have any of the information about testing.



More Field Day 1993...



Nominating Committee Report

As of August 22 the following individuals have expressed a desire to run for officer positions on the Board of Directors.

President:	Al Vrooman *	NØCMW
	Steve Westby	WB7VHR
Vice President:	Steve Schaarschmidt	KØCI
	Al Vrooman *	NØCMW
Secretary:	Ken Phillips *	NØJPW
Treasurer:	Tom McDaniel *	NØNTX

1. Those names followed by an * still have one year to serve on the board so even if they fail to be elected to the position for which they are running they will continue on the board.
2. In addition, Liz Deutsch, who has declined to run again for the position of Secretary still has one year to serve as a board member.
3. Rosie Calaway has decided not to run again for the board.
4. Luci Standsberry is not seeking another term as President and since her two years as a board member is up she will seek reelection to the board.
5. Both Steve Schaarschmidt and Steve Westby will seek reelection to the board in the event that either of them is not elected to the office they seek.

The outcome of all that complication is that there will be either two or three board positions to fill. Your nominating committee has, to date, talked to 15 individuals who are **not** presently board members. Eight of them have agreed to run. They are:

Malcolm Benton	KE9S
Jeff Boyes	NØJLH
Ivan Hickman	NØMIX
Virginia Hipszki	NØUOD
John Kremer	NØVBM
Rob Roller	WB7WHT
Ora Rose	NØQJX
Harry Russell	NØSFP

Let me emphasise that this list is still open. Names can be added right up to the time that nominations close on election night, Wednesday, October 13. Furthermore any member can run for any office. All you need do is to notify us of your interest.

The club needs dedicated officers and board members. Anyone who runs for a position should be ready to attend every club meeting and certainly every board meeting. Anyone elected to a position should resign if he/she finds that they cannot dedicate the necessary time. This permits the board to replace that person so as to maintain a strong active management.

Submitted by: Al Craig, N2IWZ, Nominating Committee

MILEY'S RADIO

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Florence, Colorado 81226
(719) 784-3040

All Brands of new, used, and consignments
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President

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(800)444-9476

24 hour FAX Order Line (303)745-7394

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John N5EHP Mike N1ØE

Jim KBØBVN

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- Test Equipment
- Tools
- VCR/Stereo Accessories

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Ham & Senior Discount
Wholesale - Retail

Hours: 8:30—1 Sat. / 8:30—5:30 Mon.—Fri.

2324 E. Bijou
Colorado Springs, CO 80909

633-4666

September 1993

PIKES PEAK RADIO AMATEUR ASSOCIATION

SUNDAY

MONDAY

TUESDAY

WEDNESDAY

THURSDAY

FRIDAY

SATURDAY

			1 7:30pm CMRG Info Net 147, 345 8:00pm SCTN 146. 97	2 7:00pm Teller Co. ARES Net 146.82 8:00pm SCTN 146. 97	3 8:00pm SCTN 146. 97	4 7:00am Village Inn Breakfast 8:00pm SCTN 146. 97
5 8:00am COLORADO ARES NETS 3928.0 7:30pm RACES HF NET 3990.5 8:00pm SCTN 146.97	6 8:00pm SCTN 146. 97	7 7:00pm ARES NET 146.97 7:30pm RACES NET 146.97 8:00pm SCTN 146. 97	8 7:00pm PPRAA MEETING DAV Center 8:00pm SCTN 146. 97	9 7:00pm Teller Co. ARES Net 146.82 8:00pm SCTN 146. 97	10 8:00pm SCTN 146. 97	11 7:00am Village Inn Breakfast 8:00pm SCTN 146. 97
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MONTHLY EVENT CALENDAR

8/20/1993

October 1993

PIKES PEAK RADIO AMATEUR ASSOCIATION

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MONTHLY EVENT CALENDAR

8/20/1993

How To Keep in Touch When You're Down on the Farm

by Ted Allison, NØNKG

The weekend of August 7 and 8, 1993 my wife and I went to the Greeley County Fair at Tribune, Kansas. Greeley County is the least populated county in the state with a population of about 2000. Tribune is our home town and we had a great time at the barbecue, 30th class reunion (mine, not hers), 5 mile run (I finished 2nd with a 34:03 time), parade, and general visiting with family and friends. With all this activity, I still found time Sunday morning to make some contacts on 2 meter SSB.

But first, a bit of background. My wife's family live about 10 miles north of Tribune on the farm where she grew up. This is about 175 miles due east of Colorado Springs. About a year ago I put my 4 element Cushcraft beam in the vertical polarity about 45 feet up on their 50 foot TV antenna tower and, using about 100 watts, made contacts using the 146.97 Pikes Peak FM Association Repeater. I even made a phone patch on the repeater and talked to my mother in Colorado Springs. I was also able to access the 147.06 repeater at Genoa, Colo. and the 146.88 Pueblo Ham Club Repeater on Deer Peak south of Pueblo, Colorado. One of my more memorable contacts was on 146.88 with Art, KCØVL at his home on Chalk Creek west of Nathrop, Colorado, a distance of about 250 miles, a pretty good reach for 2 meter FM, even if it was through a repeater. We had visited Art and his wife Edith at their home a few months earlier, so it was great to talk to him from Kansas. I learned a lot about fringe area 2 meter propagation that week, finding that the repeaters would come and go, depending on the time of day and other less obvious factors. Mornings were best up until 9 or 10 AM and hot afternoons were worst. Some mornings the 146.91 repeater at Garden City, Kansas (about 100 miles away, on the side/rear of the beam) was full quieting, while other times it wasn't there at all.

So this year my goal was to make some 2 meter SSB contacts back to Colorado Springs

and to New Mexico, about 35 miles southeast of Raton where Ron, KDØDW and Doug, W2CRS were going to be set up for the UHF contest on Sierra Grande. With this in mind, I bravely climbed the TV tower Sunday morning with a 10 to 20 MPH wind out of the south and installed the 4 element Cushcraft in the horizontal plane aimed straight west. I had arranged a schedule with Mike, KØTER in Colorado Springs and Ron, KDØDW in New Mexico, but this was hardly necessary because as soon as I got the antenna hooked up, about 7:15AM MDT (yes Virginia, Greeley County Kansas is in the Mountain Time zone) there was Ron on 144.220 talking to someone in Amarillo that I couldn't hear. (Amarillo would have been on the side of my beam.) Ron had a real strong signal and was copying me just fine. I was using my Kenwood TR751A and my newly acquired RF Concepts RFC 2-417 amplifier, putting out about 150 watts. Ron was running similar power from a Mirage amplifier into an 11 element beam (I think). He was whining about the rough road getting up there and the strong southerly breezes, but it was obvious to me that he was just wanting sympathy so I provided none of that. Real contesters don't let such minor inconveniences bother them! Anyway, I had just finished one of my mother-in-law's great farm breakfasts.

After talking to Ron for a few minutes, I switched over to 144.200 and called KØTER in Colorado Springs on schedule and there he was! He wasn't as strong as Ron (that goes without saying, nobody is ever as strong as Ron) but was Q5 copy. He was able to copy me with some difficulty due to an S-3 noise level at his location. Mike was running about 85 watts into a circular polarized satellite antenna aimed east. A little later, Jim, NØUVU on the west side of Colorado Springs came on frequency and we were able to communicate, although he was having some trouble copying me. He was running about 150 watts into an 11 element beam aimed east and I was receiving him at about S-2. I told him to turn his beam west. With his beam aimed to the west, his signal came up to S-5 and he was able to copy me easily. This is proof positive that the world is round (either that or there is a 14,110 foot reflector west of Colorado Springs). This corresponds to my experience at home on the west side of the Springs, where I have an 11 element beam aimed at the south edge of Pikes Peak with no rotor. With this antenna, I have made contacts

with Cheyenne, Wyoming, Aurora, and Olney Springs, Colorado. In other words, in almost all directions.

Mike, KØTER in Colorado Springs contacted Ron, KDØDW in New Mexico, completing our nearly equilateral triangle of contacts, about 175 miles each way. This is nothing outstanding for the big boy DX'ers, but I considered it a significant accomplishment and it was a lot of fun for me. It was a good test for the new amplifier, and I found the Gas-FET receive preamp a real asset even on weak FM signals. I'm sure that if Ron, KDØDW hangs in there, he can become a real, dedicated contester like me.

73, and whatever you do, have fun on the radio,
NØNKG - Never Kiss Gorillas

Dits and Bits

For Sale:

IC 225A 2mtr xceiver with Kantronics all Mode KAM, Tandy Laptop 1400, 31/2 floppy computer. System on the air in the Black Forest. Would like to sell complete for \$600.00. Will consider separate sale. Mallory Jeffers, NØIKF, 599-8024.

For Sale or Trade:

800 Watt Generator, Fred, KAØWIE, 591-0290.

For sale:

MFJ Antenna tuner MFJ 949D \$80.00
MFJ Antenna tuner MFJ 901B \$30.00
Telex CM/320S Headset w/boom mic Kenwood connector. \$45.00 Herman, NØKAN, 392-0131.

For Sale:

Commodore 64 w/disk drive and VGA monitor. All instruction books included. \$225.00 Neg. Estate of WAØEAH.
Contact Carla Allen 574-6741.

For Sale:

3- HF antennas; Heathkit SB200 HF linear.
Contact: George Clark, WØUDZ, 635-4158

SWAPFEST:

September 28th at Boulder County Fairgrounds.
Contact Frank Smith, WB7OTE, 726 19th

Street, Boulder, CO. 80302. \$3 Admission \$7 Table. Doors open 8am.

PPRAA Annual Picnic Winner:

William Steitzer, NØXUH was the winner of the Wattmeter at the picnic.

Membership Roster Update

The PPRAA membership roster will be published in October 1993. If you have call sign changes or new addresses or phone numbers since February 1993 and have not notified the Membership Chairman, Les Borst, KCØNC, contact him as soon as possible. You should send the changes to the club Post Office Box. If the time gets short Les will take your changes over the phone at 634-3995.

General Meeting, August 11, 1993

Correction to last month's minutes. Mike Silva's presentation to the Club is tentative at this point. The minutes implied that a firm commitment had been made.

Treasurer Report: Previous Balance - 1354.28

Income	- 279.50
Expenses	- 523.83
New Balance	- 1109.95

Publicity:

Information about the Club and meetings will be announced in the GT.

Nominating Committee:

Al Craig, Chairman announced that the qualifications for running for an Officer position or a Board position are that the person be a licensed Ham and be a member of the club. All members are encouraged to consider running for a position or to consider nominating someone to run. If you intend to nominate someone, remember to ask the person first.

Education:

The Novice and Technician classes start on Sept. 13. They will be held on Monday and Wednesday evenings and will last eight weeks.

VE:

There is now no charge to take the Novice test. There is also no charge to take the code test for the enhanced Technician.

Interference:

No report.

RACES:

There is now a verbal agreement between the Office of Emergency Management and RACES to have a combined City-County RACES.

ARES\Public Service:

The times of the ARES nets were reviewed. There are three public service events in September.

Skywarn:

The pagers were effective in contacting Skywarn members this season. There is now a packet station at the Weather Service.

Zoning Ordinance:

There will be a Public Hearing in early October. The vote will be in late October.

CCARC:

The next meeting will be on October 2 at 1pm in Denver at 938 Bannock St. The State Frequency Coordinator will be present.

ATV:

The antenna is on Cheyenne Mountain.

Ø Beat:

The Sept/Oct calendar was passed. The new Membership Roster will be published in October. September 14 is the last date for changes. The addition of an editorial column was discussed. Contributions from Club members were requested.

The Club passed a motion to dismantle the committee formed to find a new meeting place. A presentation on antennas was given by John Dunlevy.

Submitted by Liz, NØTUK, PPRAA Secretary

Board Meeting, August 15, 1993

The meeting was called to order at 2pm by President Lucy, NØOUD at the site of the Picnic. All club members were invited. The following attended:

Lucy NØOUD, Al, NØCMW, AL, N2IWZ, Tom, NØNTX, Ken, NØNKP, Rosie, WAØMNL, Steve, WB7VHR, Steve KØCI, Ron, NKØP and Liz NØTUK.

The upcoming October elections were discussed. Al, N2IWZ is actively seeking nominations.

The Board approved the adding of the Program Coordinator to the list of committee chairmen. A tentative November program was discussed.

The cost of the materials for the radio classes was discussed.

The coffee at the DAV is now 50 cents.

The DAV and the Club approved the donations of cans of food to the food pantry during the monthly meetings. The DAV is the site of the Cimmaron Hills food pantry which part of the Care and Share network.

The Christmas Party was discussed.

The meeting was adjourned at 3pm.

The next Board meeting will be on September 13 at 6:30pm at the D.A.V on Palmer Park Blvd.

Submitted by Liz, NØTUK, PPRAA Secretary.

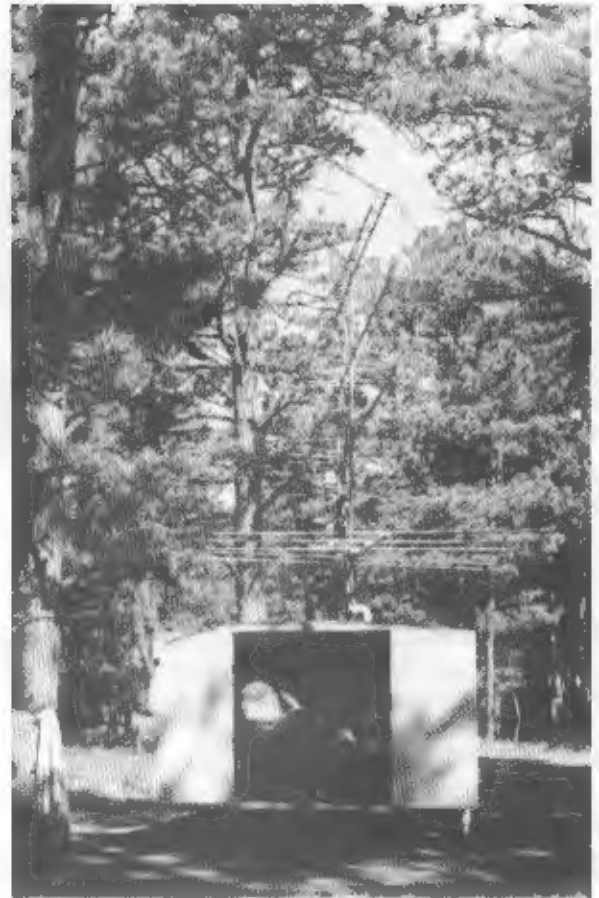


OM/YL Lunch Bunch

Ora Rose, NØQJX, hosted a very enjoyable picnic at her home for the OM/YL Chowhounds, on JULY 22, 1993. The weather cooperated, the food was excellent, and a good time was had by all. Thanks Ora.

Our next luncheon will be held on September 18, 1993 at the Home Town Buffet, Shops at the Bluffs, at 12:00 noon. Come join us and bring any and all guests for a fun lunch. See you there. 73s

Rosie Calaway, WAØMNL The "Cured Ham"



More Field Day 1993...



Committee Chairpersons, etc.

Publicity	Al Craig	594-9288
Membership	Les Borst	634-3995
Education	Al Bailey	597-8514
VE Testing	Rick Brown	531-9423
Interference	Bill Petty	591-2116
RACES	Doug Moloney	unlisted
ARES	John Chapman	635-1604
SkyWarn	Steve Westby	570-1070
Public Service	Mike Stansberry	636-1290
CCARC	Oak Stockton	570-7782
Club Trailer	Steve Westby	570-1070
Newsletter	Ron Deutsch	593-8352
Club Historian	Al Craig	594-9288
Falcon Wanderers	Bob Nyman	574-5161
Programs	Steve Shaarschmidt	598-3554

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